

Patent Claims

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1. A device for moving 3-dimensional objects in the projection space of a projection system, having
 - 1.1 a rotating disk,
 - 1.2 a moving belt countersunk in the rotating disk, characterized in that
 - 1.3 the rotating disk and/or the moving belt has sensors for detecting the movement of the object on the rotating disk or the moving belt, and
 - 1.4 the moving belt and/or the rotating disk is driven or regulated with the help of a control/regulating device as a function of the detected movement of the object.
 2. The device according to Claim 1, characterized in that the 3-dimensional object is a person acting on the stage.
 3. The device according to one of Claims 1 or 2, characterized in that the moving belt and/or the rotating disk has supporting rollers on which sensors are arranged.
 4. The device according to one of Claims 1 through 3, characterized in that the sensors detect the weight that changes with movement of the object or the person.
 5. The device according to one of Claims 1 through 4, characterized in that the moving belt comprises a driving roller and a tension roller.
 6. The device according to Claim 5, characterized in that the control and/or regulating device controls the moving belt in such a way that when the person moves in the direction of the driving roller, the speed of the moving belt is increased.
 7. The device according to Claim 5 or 6, characterized in that the control and/or regulating device controls the moving belt in such a way that when the person moves in the direction

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cont.

of the tension roller, the speed of the moving belt is decreased.

8. The device according to one of Claims 5 through 7, characterized in that the control and/or regulating device drives the rotating disk in such a way that when the person moves out of the center of the moving belt, the rotating disk moves in the opposite direction.
9. A system for presentation of live shows which are combined with and/or superimposed on projected images and/or movies, having
- 9.1 a projection space;
 - 9.2 at least two projection systems, a first and a second projection system;
 - 9.3 at least one projection surface which can be introduced into the projection space and removed from it, or is arranged in a stationary mount in the projection space, whereby
 - 9.4 the first projection system is a projection system for producing virtual images, and the second projection system is a rear projection system, characterized in that
 - 9.5 the system comprises a device for moving 3-dimensional objects according to one of Claims 1 through 8.
10. The system according to Claim 9, characterized in that the control/regulating device of the rotating disk and/or the moving belt is linked to the control/regulating device for the projection system.
11. The system according to Claim 10, characterized in that the control/regulating device on the projection system is arranged downstream from the control/regulating device of the moving belt and/or the rotating disk and the images are projected by the projection system as a function of the movement of the person.
12. The system according to one of Claims 10 through 11, characterized in that the system comprises means for producing a virtual image in the projection frame in front of a

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projection surface.

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13. The system according to Claim 12, characterized in that the device for producing the virtual image is glass or at least a partially transparent film.
14. The system according to Claim 13, characterized in that the glass or the film, which is at least partially transparent, is electro-optically or thermo-optically active.
15. The system according to one of Claims 10 through 14, characterized in that the means for producing a virtual image are mounted pivotably in the projection space so that any desired angles to the horizontal in the range of $0 < \alpha \leq 90^\circ$ can be set.
16. The system according to Claim 15, characterized in that the mounting of the means for producing a virtual image includes rails.
17. The system according to one of Claims 9 through 16, characterized in that the projection surfaces for the rear projection can be moved smoothly in the projection space in combination with the respective rear projection system(s), so that the focus need not be altered.
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